

Warwick Chemistry Departmental Seminar



Prof Helen C. Hailes
University College London

19th October 2017

4.00 pm, Physics Lecture Theatre, Science Concourse

The use of enzymes for C-C bond formation and amine synthesis

Biocatalysis offers a powerful sustainable strategy for the production of pharmaceuticals and fine chemicals. We have been investigating the use of transketolases, transaminases and norcochlorine synthases for C-C bond formation and amine synthesis. The seminar will present recent studies using these enzymes, and other selected reactions in water, in enzymatic and chemoenzymatic reaction cascades.

Biography

Helen received her Ph.D in 1991 at Cambridge under the supervision of Professor Jim Staunton. She pursued post-doctoral work at Cambridge, and then at Imperial College London with Professor Steve Ley and subsequently with Dr David Widdowson. She joined the Department of Chemistry, University College London as a Lecturer in 1994, becoming a Senior Lecturer in 2002, a Reader in 2005, and Professor of Chemical Biology in 2010.